



Hand in hand for tomorrow



Product data sheet

Feed-through modules C0B S12L

Compact. Reliable. Flexible.

Optional modules COB

Optional modules for feeding through different media such as electrical signals, pneumatics, fluids and vacuum.

Field of application

For fast media transfer with short change-over times between change master and change adapter in order to supply the end effector with the required media.

Advantages – Your benefits

Compact design Ensures a low interfering contour

Wide range of different variants for feeding through of various media

Standardized screw connection Enables quick and easy mounting on SCHUNK tool changers

Combination of several optional modules for maximum flexibility of the tool changer

Sophisticated design Ensures a combination of reliability and durability

Customer-specific designs available on request the suitable solution for any application

Cable connector, cable extensions and protection covers available on request for a comprehensive complete solution from one source



Application example



① Automatic tool changers CPB

② Optional modules COB

③ 2-finger parallel gripper PGN-plus-P

SCHUNK offers more ...

The following components make the product even more productive – the suitable addition for the highest functionality, flexibility, reliability, and controlled production.



Tool changer



Manual change system



Pallet change system

① For more information on these products can be found on the following product pages or at schunk.com.

COB S12L

Feed-through modules

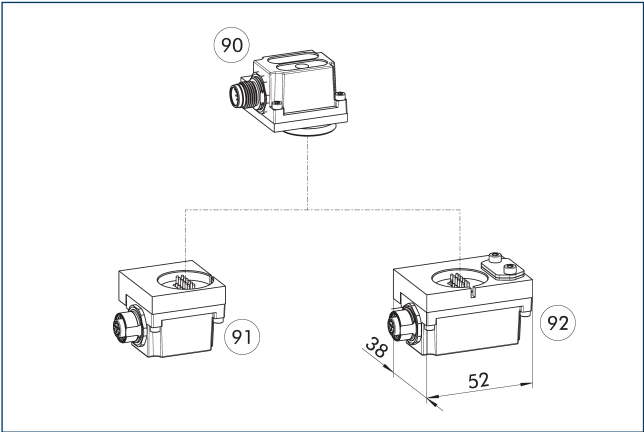


Technical data

Description		COB S12L-K	COB S12L-A	COB S12LC-A
ID		1586427	1586421	1586424
Suitable on		Change head	Tool	Tool
Screw connection diagram		B	B	B
Transmission type		Signal	Signal	Signal
Weight	[kg]	0.054	0.057	0.077
Min./max. ambient temperature	[°C]	5/60	5/60	5/60
Protection class IP		IP64 (only in a coupled state)	IP64 (only in a coupled state)	IP64 (only in a coupled state)
Number of pin contacts		12	12	7
Nominal current	[A]	1.5	1.5	1.5
Direct voltage	[V DC]	30	30	30
Electrical connection		M12 plug, 12-pin	M12 socket, 12-pin	M12 socket, 12-pin
Outlet connection		tangential (left)	tangential (left)	tangential (left)
Special properties				Rotary encoder switch for tool coding of 0 – 15 tools. Designed for max. 0.15 A and 24 V.

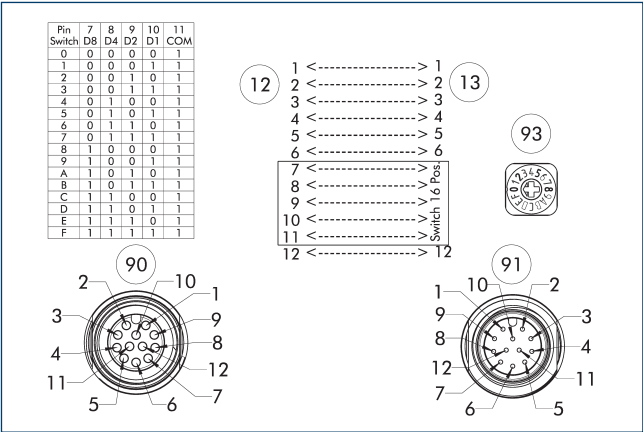
① We recommend using the appropriate connection cables and cable extensions on the following pages for interfering-contour-optimized application.

Combination possibilities S12L



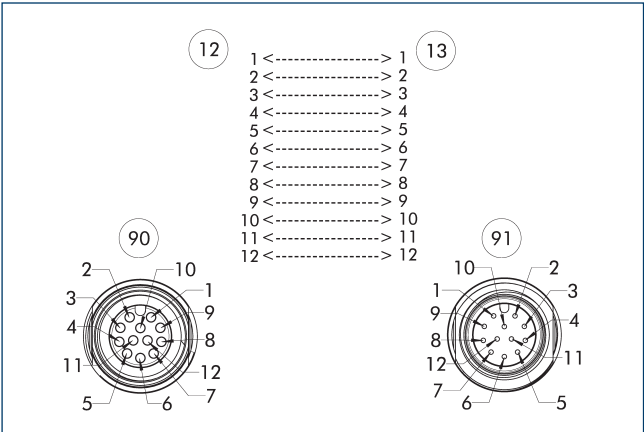
90 COB S12L-K
91 COB S12L-A
92 COB S12LC-K

Pin assignment for COB S12-K with COB S12C-A



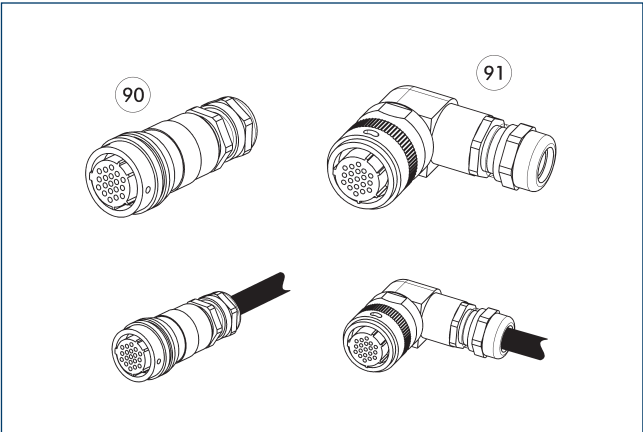
12 Master side
13 Adapter side
90 M12 plug, 12-pin
91 M12 socket, 12-pin
93 Rotary encoder switch for tool coding of 0-15 tools.

Pin assignment for COB S12-K with COB S12-A



12 Master side
13 Adapter side
90 M12 plug, 12-pin
91 M12 socket, 12-pin

Cable plug/cable extension



90 Plug/socket straight
91 Connector/angled socket

Other cable lengths on request.

Description	ID	
Connection cables		
KA BG12-L 12AP-1000	1627599	
KA SG12-L 12AP-0200	1627611	
Angled cable connector		
KBU-M12-W 12AP	1628044	
KST-M12-W 12AP	1628048	
Straight cable connector		
KBU-M12-G 12AP	1628046	
KST-M12-G 12AP	9962601	
Cable extension		
KA BW12-L 12AP-1000	1627610	
KA SW12-L 12AP-0200	1627612	



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